RFP Reference No. BEPC/ISM Lab/2024-25/4328, Dated 16.11.2024

Request for Proposal (RFP)

For

SUPPLY, INSTALLATION & TRAINING FOR OPERATIONALIZATION OF INTEGRATED SCIENCE & MATH LAB AT GOVERNMENT SECONDARY/SENIOR SECONDARY SCHOOLS IN BIHAR

Bihar Education Project Council
2nd/3rd Floor, Shiksha Bhawan,
Bihar Rashtrabhasha Parishad Campus,
Saidpur, Rajendra Nagar, Patna - 800 004 (Bihar)

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DISCLAIMER

1. While this Request for Proposal document ("RFP") has been prepared in good faith, neither Bihar Education Project Council (BEPC), GoB nor its employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of Information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP, even if any loss or damage is caused by any act or omission on their part.

2. This document is not transferable, and this RFP does not purport to contain all the information that each Bidder may require and accordingly is not intended to form the basis of any investment decision or any other decision to participate in the bidding process for the selection of the Successful Bidder for this Project. Each Bidder should conduct their own investigations and analysis and check the accuracy, reliability, and completeness of the information in this document and obtain independent advice from appropriate sources

3. Though adequate care has been taken while preparing this Bid Document, the Bidder shall satisfy themselves that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

4. BEPC, GoB may modify, amend, reject or supplement this RFP document in accordance with norms and procedures and as per the requirement of the project. BEPC, GoB reserves the right to waive any irregularity in the proposal (RFP) and the BEPC, GoB makes it clear that the RFP is not an offer/ Agreement.

5. Neither the BEPC, GoB nor its employees shall be liable to any Bidder or any other person under any law including the law of Agreement, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise, or be incurred, or suffered, in connection with this RFP document, or any matter that may be deemed to form part of this RFP document, or the award of the Agreement, or any other information supplied by the BEPC, GoB or their employees or consultants or otherwise arising in any way from the selection process for the award of the Agreement for the Project.

6. BEPC, GoB is not bound to accept any or all the Proposals. BEPC, GoB reserves the right to reject any or all the Proposals without assigning any reasons. No Bidder shall have any cause for action or claim against the BEPC, GoB or its officers, employees, successors, or assignees for rejection of their bid. The RFP submitted by the bidder will be the property of the BEPC, GoB.

Glossary

Abbreviation/ Terms	Details
Authorized Signatory	The bidder's representative / officer vested (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney (PoA) from the competent authority of the respective Bidding firm.
BEPC	Bihar Education Project Council (BEPC),
Bid	A formal offer made in pursuance of an invitation by a procuring entity and includes any tender, proposal or quotation in electronic format
Bid Security/ Earnest Money Deposit (EMD)	A security provided to the procuring entity by a bidder for securing the fulfilment of any obligation in terms of the provisions of the bidding documents.
Bidder	Any person/ firm/ agency/ company/ contractor/ vendor participating in the bidding process with the procurement entity
Bidding Document	Documents issued by the procuring entity, including any amendments thereto, that set out the terms and conditions of the given procurement and includes the invitation to bid
Competent Authority	An authority or officer to whom the relevant administrative or financial powers have been delegated for taking decision in a matter relating to procurement. Joint Secretary, Department of Education, GoB shall be the Competent Authority in this bidding document.
Contract	"Contract" means a legally enforceable agreement entered into between the Procuring entity and the selected bidder(s) with mutual obligations.
LD	Liquidated Damages
LoA	Letter of Acceptance
LoI	Letter of Intent
PAN	Permanent Account Number
PQ	Pre-Qualification
Procurement Process	The process of procurement extending from the issue of invitation to Bid till the award of the procurement contract or cancellation of the procurement process, as the case may be
Purchaser/ Tendering Authority/ Procuring Entity	Person or entity that is a recipient of a goods or service provided by a seller (bidder) under a purchase order or contract of sale, also called buyer. BEPC, GoB in this BID document.
Services	Any subject matter of procurement other than goods or works and includes physical, maintenance, professional, intellectual, consultancy and advisory services or any service classified or declared as such by a procuring entity
Service Level Agreement (SLA)	Service Level Agreement is a negotiated agreement between two parties wherein one is the customer and the other is the service provider. It is a service contract where the level of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.
State Government	Government of Bihar (GoB)
GST	Goods and Service Tax
WO/ PO	Work Order/ Purchase Order

Schedule of Bid Process

SL	Information	Details
1	RFP Issuing Authority	State Project Director, Bihar Education Project Council (BEPC)
2	RFP No. and Date of availability	RFP Reference No. BEPC/ISM Lab/2024-25/4328, Dated 16.11.2024. Available for download from 18/11/ 2024, 11:00 AM onwards till 09/12/2024, 4:00 PM on e-proc-2 website
3	Last date for submission of written queries for clarifications	23/11/2024, 5:00 pm Email: ssabihar@gmail.com
4	Date of pre-bid conference	25/11/ 2024, 2:30 pm at https://us02web.zoom.us/j/81546272058?pwd=SllzRzhiVHVCVTg4NFQ5MTZMMWY5UT09 Meeting ID: 815 4627 2058 Passcode: abc123 Virtual Mode e-mail: ssabihar@gmail.com
5	Release of response to clarifications	27/11/2024, 5:00 PM
6	Last date of submission of bid	09/12/2024, 4:00 PM
7	Last date of submission of Hard copy of BG and Samples at BEPC	09/12/2024, 4:00 PM
8	Opening of Technical Bids	09/12/2024, 4:30 PM
9	Opening of Financial Bids	To be intimated
10	Contact person for queries	The State Project Director, Bihar Education Project Council, Shiksha Bhawan, Bihar Rashtra Bhasha Parishad Campus, Saidpur - 800 004. e-mail : ssabihar@gmail.com

1. REQUEST FOR PROPOSAL

State Project Director, Bihar Education Project Council, Patna invites Bid for "SUPPLY, INSTALLATION & TRAINING FOR OPERATIONALIZATION OF INTEGRATED SCIENCE & MATH LAB AT 4621 GOVERNMENT SECONDARY/SENIOR SECONDARY SCHOOLS IN BIHAR" from eligible agencies. The bids comprising mandatory compliance along with technical bids and price bids shall be submitted on eproc-2 webiste. The Scope of Services forming part of the Assignment has been set out hereunder in this document. The Proposals would be evaluated on the basis of the evaluation criteria set out in this RFP ("Evaluation Criteria") to identify the successful Bidder for the Assignment ("Successful Bidder")

1.1 Structure of the RFP

BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP.

The Bidders would need to submit Pre-Qualification, Technical and Financial Proposal in the prescribed formats, within the Proposal Due Date as prescribed under the "Fact Sheet" of this RFP. BEPC, GoB would evaluate all the Submissions in accordance with the evaluation criteria set out in the RFP to select a qualified bidder.

1.2 Obtainability of RFP Document

RFP document can be downloaded from the website www.eproc2.bihar.gov.in after paying tender fee of Rs. 5000/-and processing fee of Rs. 590 /. The fees will have to be paid through online on the above-mentioned website. Proposals received without or with inadequate RFP Document fees shall be rejected.

2. BACKGROUND INFORMATION

Bihar Education Project Council (BEPC) is an autonomous body of Education Department, Govt. of Bihar. Bihar Education Project Council has now been entrusted to implement Samagra Shiksha, a holistic school education programme in the backdrop of National Education Policy, 2020 after the successful implementation of BEP, DPEP III, Sarva Shiksha Abhiya along with NPEGEL.

The Selected Agency will have to Supply, Installation & Training for operationalization of Integrated Science & Math Lab at 4621 Government Secondary/Senior Secondary schools in Bihar. Details about the items contain in the Lab and tentative number of items along with specifications are given in Annexure-I.

3. INSTRUCTIONS TO BIDDERS

3.1 SUBMISSION PROCEDURE

a) The bidders should submit their responses as per the format given in this RFP in the following manner: Technical Proposal and Commercial Proposal

b) Please Note that prices should not be indicated in the Technical Proposal but should only be indicated in the Commercial Proposal.

c) All the pages of the proposal must be sequentially numbered and must contain the list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid.

d) The bids shall be uploaded through http://eproc2.bihr.gov.in as per the instructions available on the website

3.2 NUMBER OF PROPOSALS

Each Bidder must submit only one (1) Proposal, in response to this RFP. Any Bidder who submits or participates in more than one Proposal shall be disqualified.

3.3 PROPOSAL PREPARATION COST

a) The bidder shall be responsible for all costs incurred in connection with participation in the RFP process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by the BEPC to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process.

b) The BEPC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

3.4 RIGHT TO ACCEPT OR REJECT

a) The BEPC, GoB may reject a proposal at any stage if it is found that the firm recommended for award has indulged in corrupt or fraudulent activities in competing for the contract in question, and may also declare a firm ineligible or blacklist the firm, either indefinitely or for a stated period of time, if at any time it is found that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

b) Notwithstanding anything contained in this RFP, the BEPC, GoB reserves the right to accept or reject any Proposal and to annul the bidding process and reject all Proposals at any time, without any liability or any obligation for such acceptance, rejection or annulment, without assigning any reasons.

c) BEPC GoB reserves the right to reject any Proposal if, at any time, a material misrepresentation made by a Bidder at any stage of the bidding process is discovered.

3.5 CLARIFICATIONS

A prospective Bidder requiring any clarification on the RFP must notify the BEPC, GoB in writing to The State Project Director, Bihar Education Project Council, GoB within such date as specified in RFP Time Schedule. At its sole discretion, BEPC, GoB will upload its response to such queries on the website https://www.bepcssa.in www.eproc2.bihar.gov.in. Bidders requiring specific points of clarification may communicate with the BEPC, GoB during the specific period using the following format. The queries can be submitted by email at ssabihar@gmail.com with name of assignment as the subject, in the following format:

Bidders Request for Clarification				
Name of Organization submitting request		Name and Position of person submitting request	Details of person and organization	
			Address: Tel: E-mail: Mobile:	
S. No	Bidding Document Reference (Number//Page)	Content of RFP requiring Clarification	Points of Clarification Required	Suggestions (If Any)
1				
2				

3.6 AMENDMENTS TO RFP

At any time prior to the Proposal Due Date, as indicated in the RFP Time Schedule, BEPC, GoB may, for any reason, whether at its own initiative or in response to clarifications requested by a bidder, amend the RFP by the issuance of Addenda. Such Addenda would be posted on the website https://www.bepcssa.in / www.eproc2.bihar.gov.in In order to afford Bidders reasonable time to take the Addendum into account, or for any other reason, BEPC, GoB may, at its discretion, extend the Proposal Due Date.

3.7 LANGUAGE AND CURRENCY

The Proposal and all related correspondence and documents must be written in English language. Supporting documents and printed literature furnished by the Bidder with the Proposal may be in any other language if they are accompanied by an appropriate translation in English language. Supporting materials that are not translated into English shall not be considered. For the purpose of interpretation and evaluation of the Proposal, the English language translation shall prevail. The currency for this bid is Indian Rupee. All the quotes should be in Indian Rupees only.

3.8 VALIDITY OF PROPOSAL

a) The Proposal must be valid for a period not less than 90 days from the Proposal Due Date ("Proposal Validity Period"). BEPC, GoB reserves the right to reject any Proposal that does not meet this requirement.

b) Prior to expiry of the Proposal Validity Period, BEPC, GoB may request the Bidders to extend the period of validity for a specified additional period.

c) The Successful Bidder shall, where required, extend the validity of the Proposal till the date of execution of the Agreement.

3.9 BID SECURITY

a) Bidders shall submit, along with their Bids, EMD of INR 5 crores (Five crores only) in the form of Bank Guarantee issued by any Scheduled bank. EMD will be valid till 31.12.2024. (Bank Details: State Project Director - BEPC, A/c No. 245001000002776, IFSC Code - IOBA0002450)

b) The bid / proposal submitted without EMD, mentioned above, will be summarily rejected.

c) Micro, small and start up agencies registered for doing similar work are exempted from the payment of EMD, as per Government policy, subject to submission of valid registration certificate with the bid.

d) The Bid Security shall be returned to the unsuccessful Bidders within a period of two (2) weeks from the date of signing of Agreement between the Department of Education, GoB and the Successful Bidder.

e) The bid security of the successful bidder will be returned to the successful bidder on the submission of the Performance Security as specified in the RFP document.

f) The Bid Security shall be forfeited in the following cases:

- If the Bidder withdraws its Proposal;
- If the Bidder withdraws its Proposal during the interval between the Proposal Due Date and expiration of the Proposal Validity Period; and
- If any information or document furnished by the Bidder turns out to be misleading or untrue in any material respect.
- If the bidder, after the award of work order, fails to submit the performance security within the stipulated time.

3.10 BIDDER'S RESPONSIBILITY

a) The Bidder is expected to examine carefully the contents of all the documents provided. Failure to comply with the requirements of RFP shall be at the Bidder's own risk.

b) It shall be deemed that prior to the submission of Proposal, the Bidder has:

- Made a complete and careful examination of terms & conditions/ requirements, and other information set forth in this RFP document.
- Received all such relevant information as it has requested from the BEPC, GoB; and
- Made a complete and careful examination of the various aspects of the Assignment.

c) BEPC, GoB shall not be liable for any mistake or error or neglect by the Bidder in respect of the above.

d) All taxes payable to government must be paid by the service provider as per applicable norms and procedure. BEPC, GoB is nowhere liable and responsible for payment of such taxes. Only GST payment will be made by BEPC, GoB as per applicable rates on the fee quoted by the agency.

3.11 CORRESPONDENCE/ ENQUIRY

All correspondence/enquiries must be submitted to the following in writing by email/ fax/ registered post with **name of assignment** as the subject. The details are:

The State Project Director, Bihar Education Project Council, Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus, Saidpur - 800 004. e-mail : ssabihar@gmail.com

3.12 FORMAT AND SIGNING OF PROPOSAL

a) Bidders must provide all the information as per this RFP and in the specified format. BEPC, GoB reserves the right to reject any Proposal that is not in the specified format.

b) The Proposal must include submissions to be made on the respective Proposal Due Date as set out in RFP Time Schedule.

c) The person(s) signing the Proposal must initial all the alterations, omissions, additions, or any other amendments made to the Proposal.

3.13 MODIFICATION/SUBSTITUTION/WITHDRAWAL OF PROPOSAL

a) The Bidder may modify, substitute, or withdraw its Proposal after submission, provided that a written notice of the modification, substitution or withdrawal is received by BEPC, GoB **before the Proposal Due Date**. No Proposal shall be modified, substituted, or withdrawn by the Bidder after the Proposal Due Date.

b) The modification, substitution or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with outer envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL", as appropriate.

c) Withdrawal of a Proposal during the interval between the Proposal Due Date and expiration of the Proposal Validity Period will result in **forfeiture of the Bid Security** in accordance with this RFP.

3.14 PROPOSAL DUE DATE

a) Proposals must be submitted as per information provided in this RFP.

b) BEPC, GoB at its sole discretion; accept any Proposal(s) after Proposal Due Date. Any such Proposal/s accepted shall be deemed to have been received by the Proposal Due Date.

3.15 TEST OF RESPONSIVENESS

Initial Bid scrutiny will be held and incomplete details as given below will be treated as non-responsive, if Proposals:

a) Are not submitted in as specified in the RFP document.

b) Are found with suppression of details.

c) With incomplete information, subjective, conditional offers and partial offers submitted.

d) Submitted without the documents requested in the checklist.

e) Have non-compliance of any of the clauses stipulated in the RFP.

f) With lesser validity period.

- All responsive Bids will be considered for further processing. The BEPC will prepare a list of responsive bidders, who comply with all the Terms and Conditions of the Tender. All eligible bids will be considered for further evaluation by a committee according to the Evaluation process define in this RFP document. The decision of the Committee will be final in this regard.

- BEPC, GoB reserves the right to seek clarification or reject any Proposal which in its opinion is non-responsive and no request for modification or withdrawal shall be entertained by Department of Education, GoB in respect of such Proposal.

3.16 CONFIDENTIALITY

Information relating to the examination, clarification, evaluation and recommendation for the Qualified Bidders shall not be disclosed to any person not officially concerned with the process. The BEPC, GoB will treat all information submitted as part of the Proposal in confidence and will ensure that all those who have access to such material to treat it in confidence. BEPC shall not divulge any such information unless ordered to do so by any statutory authority that has the power under law to require its disclosure.

3.17 CLARIFICATIONS

To assist in the process of evaluation of Proposals, BEPC, GoB may, at its sole discretion, ask any Bidder for clarification on its Proposal or substantiation of any of the submission made by the Bidder.

3.18 PROPOSAL EVALUATION

The Qualification Submissions of the Bidders would be checked for responsiveness with the requirements of the RFP and shall be evaluated as per the Criteria set out in this RFP

3.19 DECLARATION OF SUCCESSFUL BIDDER

After the Proposal of the tenderer technically qualified with LCS (Least Cost Based Selection) criteria, BEPC, GoB shall declare the tenderers as the successful bidders.

3.20 NOTIFICATIONS

BEPC, GoB will notify the Successful Bidder by a Letter of Intent (LoI) that their Proposal has been accepted.

3.21 BIHAR EDUCATION PROJECT COUNCIL, GOB'S RIGHT TO ACCEPT OR REJECT PROPOSAL

a) BEPC, GoB reserves the right to accept or reject any or all the Proposals without assigning any reason and to take any measure as it may deem fit, including annulment of the bidding process, without liability or any obligation for such acceptance, rejection or annulment.

b) BEPC, GoB reserves the right to invite revised Proposals from Bidders with or without amendment of the RFP at any stage, without liability or any obligation for such invitation and without assigning any reason.

c) BEPC, GoB reserves the right to reject any Proposal if at any time:
- A material misrepresentation made at any stage in the bidding process is uncovered; or
- The Bidder does not respond promptly and thoroughly to requests for supplemental information required for the evaluation of the Proposal.

d) This would lead to the disqualification of the Bidder. If such disqualification / rejection occurs after the Proposals have been opened and the Successful Bidder gets disqualified/ rejected, then BEPC, GoB reserves the right to:

➢ Take any such measure as may be deemed fit in the sole discretion of BEPC, GoB, including annulment of the bidding process.

3.22 PERFORMANCE BANK GUARANTEE (PBG)

a. The successful bidder must furnish an unconditional and irrevocable bank guarantee / demand draft, in a format acceptable to BEPC, GoB valid for the contract term, of a value equivalent to **5% of the contract value within 07 days of award of Letter of Intent** (LOI). PBG will be valid till 31.03.2025.

b. Failure to submit the PBG within the time stipulated in the LOI may lead to cancellation/ withdrawal of LOI and, in such case, BEPC, GoB reserves the right to declare the L 2 bidder as the successful tenderer and proceed with the contractual process or take any such measure as may be deemed fit by Department of Education, GoB, including annulment of the bidding process.

4. CRITERIA FOR EVALUATION

1.1 ELIGIBILITY CRITERIA

A bidder participating in the bidding process shall possess the following minimum qualification/ eligibility criteria. Any bidder failing to meet the stated criteria shall be summarily rejected and will not be considered for financial evaluation.

Sl	Conditions	Documents to be submitted
1	The Bidder should be a Company registered under Indian Companies Act 1956/2013 and must be at least five years old entity. The Bidder should have the following Registrations: PAN Number GST Registration Note: Consortium in any form is not allowed.	a) Certificate of Incorporation b) GST certificate c) Copy of PAN
2	The bidder should have an Average annual turnover of minimum INR 230 crores in the last three financial years ended on 31.03.2024 during 2021-22 to 2023-24.	Audited Balance Sheet of last three financial years.
3	The net worth of the bidder in the last five financial years, (as per the last published audited balance sheet) should be positive. The bidder should be profitable and should not be at a loss in the last five years (as per the last published audited balance sheet) i.e. 2019-2020, 2020-2021, 2021-22, 2022-23 and 2023-24.	Copy of Audited Balance Sheet and CA Certificate with 18 digit UDIN number.
4	The bidder must have successfully undertaken at least the following numbers of Similar assignments of value specified herein: - One project not less than the amount of ₹180,00,00,000 (One Hundred Eighty Crores Only)	Work Order and Completion Certificate.

	OR Two projects not less than the amount of Rs. ₹140,00,00,000/- (One hundred and Forty Crores Only) OR Three projects not less than the amount of Rs. 90,00,00,000/- (Ninety Crores Only) Similar Experience assignments defined as: Supply of IT Products or Services/ Educational Kit/ STEM /Robotics/Math Kits/ Science Kits/ATL Kits in schools under State or Central Government in last Five years as on 31.03.2024.	
5	The bidder should have Experience in the Implementation of at least one Project with QR-based Supply Chain Monitoring Software tools in Government Schools under State or Central Government/ Autonomous bodies in the last five years as on 31.03.2024.	Work Order and Completion Certificate.
6	Bidder Must have One Prior Experience in single project of Implementation of a minimum of 4000 Nos. of Integrated Science & math Lab/STEM /Robotics Lab/Kits in schools under the State or Central Government in the last Five years as on 31.03.2024.	Work Order and Completion Certificate.
7	The Bidder must have a valid certificate: ISO 9001 -2015 ISO 27001 CMMi level 3 or Higher Certificate	Copy of Valid certificates in the name of Bidder. CMMi certificate should be available on https://cmmiinstitute.com/pars
8	The bidder must have experience of the implementation of projects in the state of Bihar under State Government in the last three	Work Order and Completion Certificate.

	years as on 31.03.2024.	
9	The Bidder must not have been blacklisted for fraudulent practices by any of its clients, Central Government / State Government / UT Government / Government Undertakings / University / Educational Institutions / Government Bodies / PSUs in India as on the Date of submission of the bid.	Self-Declaration (Refer Format Annexure-3)
10	Product Certificates: IS 9873	Copy of Valid certificates in the name of Bidder / OEM for all Tools (Science, Math and STEM tools) conforming to IS 9873 standards from NABL accredited lab.
11	Sample submission	Samples for all the items along with the videos and user manuals, demo logins of the proposed software as per the scope of work are to be submitted on or before bid submission date
12	Consortium & Sub-Contracting are not allowed under this assignment	

4.2 Technical Evaluation Criteria

Only those bidders who qualify in Pre-Qualification as per above will be considered for Technical Evaluation. During the process of evaluation of the Technical Proposals, the Tender Committee may seek additional information and clarifications from any or all the bidders. This clarification will be sought through email communications/request a personal visit of the authorized representatives of the bidder. The bidder is expected to provide the clarifications or additional information within the stipulated time as indicated in the communication. If the bidder fails to provide clarification or additional information, the information provided in the technical proposal only will be used for evaluation. Only the bidders, who score a Technical score of more than 75% Marks will qualify for the evaluation in the commercial bid.

The technical bid will be evaluated on the below mentioned criteria:

Sl. No.	Description	Evaluation Criteria	Criteria wise Marks	Maximum Marks
1	The bidder should have average annual turnover of minimum INR 230	More than ₹230Cr.	5	10

Integrated Science & Math Lab in Secondary/Senior Secondary Schools.

	Cr every year in last 3 financial years 2021-22, 2022-23 and 2023-24)	More than ₹500 Cr.	10	
2	The bidder should have Experience in the implementation of Integrated Science and Math Lab/STEM/ Robotics Kit/Lab in Single Project Order in Government schools under State or Central Government in the last five years as on 31.03.2024.	Implementation in more than 4,000 Schools	5	15
		Implementation in more than 10,000 Schools.	10	
		Implementation in more than 15,000 Schools.	15	
3	The bidder should have Experience in implementation of Science Lab/Math Lab/STEM/Robotics Kit/Lab in Government schools under State or Central Government in last five years as on 31.03.2024.	Implementation of 2 projects	5	15
		Implementation of 4 projects	10	
		Implementation of 8 projects	15	
4	The bidder should have Experience in the implementation of One Project of Integrated Science and Math Lab/STEM/Robotics Lab Value not less than Rs. 50 Cr in Government schools under State or Central Government in last five years as on 31.03.2024.	Implementation of One Project with a Minimum value of Rs. 50 Cr.	5	5
5	The bidder should have Experience in Implementation of Project with QR based Supply Chain Monitoring Software tools in Government Schools under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	Implementation of 2 projects	5	10
		Implementation of 4 projects and above	10	
6	The bidder should have Experience in the Implementation of Project with Learning Management Software tools in Government	Implementation of 2 projects	5	10

	Schools under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	Implementation of 4 projects and above	10	
7	Sample Demonstration (POC) Note: Sample of all materials of Integrated Science and Math Lab and ATL Lab along with all videos as per RFP (Scope of Work) should be submitted on or before last date of bid submission. Videos must be submitted in pen drive. Demo Login credentials must also be shared. Agency/ Firm will be invited for a demonstration also.	Quality of Sample Submission	20	20
8	Technical Presentation • Demonstration of Samples. • Previous case studies. • Assessment platform software and • QR based Supply Chain Monitoring Software. Agency/Firm will be invited for presentation.			15
Total				**100**

Note: -

- Kit Samples (i.e. 1 Sets consisting of all items) along with Video and software Demo Credentials shall be sealed and separately submitted by the bidder on or before bid submission date and time.

To qualify the technical evaluation stage, the bidder must score a minimum of 75 mark

4.2 Sample Evaluation Criteria

Only those bidders who qualify in the above technical qualification criteria will be considered for sample evaluation. During the process of evaluation of the sample, at least 75% of items must be acceptable. If 80% of the sample items are not acceptable, then the bidder/bidders will disqualify in technical evaluation criteria.

If at least 75% of sample items are found to be acceptable, then the bidder will be given an

option to replace the non-acceptable sample items (up to maximum 25% sample items) within 5 working days as suggestions given by expert committee of BEPC.

After the final acceptance of 100% sample or bidders who qualify in the demonstration of sample, will finally qualify for the financial bid evaluation. A demonstration of all the submitted samples along with the manuals and videos shall be done. Along with the samples, demonstration of Software is also to be shown.

Non submission of samples, user manuals, video tutorials and software login credentials will lead to rejection of the bid.

4.3 Financial Bid Evaluation

- Only those bidders, who qualify in the technical qualification criteria (with minimum 75% score) and final acceptance of 100% sample items, will qualify for the evaluation of their commercial bids.
- The Financial bids of qualified bidders will be opened on the prescribed date.
- The bid price will include all taxes and levies and shall be in Indian Rupees.
- Any conditional bid would be rejected.
- Errors & Rectification: Arithmetical errors will be rectified on the following basis: "If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail".
- Bidders will quote item wise rates (all items) in BOQ, if there is no price quoted for any item/items/material or service, the bid shall be declared as disqualified.
- The Total Bid Price, as computed by the Purchaser shall be used for the purpose of commercial evaluation of bids.
- Lowest Cost Based Selection (L1) Method shall be used to select the bidder.
- BEPC reserves the right to split the work on L1 rate among L1 & L2 or L1, L2 & L3 bidder and so on.

4.4 AWARD OF CONTRACT

a. The Authority will award the Contract to the Bidder whose bid has been determined to be substantially responsive and has been determined as the best bid on the basis of LCS evaluation.

b. The Authority shall however not bind itself to accept the best bid or any bid and reserves

the right to accept any bid, wholly or in part.

c. BEPC, GoB shall notify the successful bidder in writing that the proposal has been accepted.

d. An agreement shall be signed between BEPC, GoB and the selected bidder's laying down the conditions of work, payment etc.

e. Letter of Intent award and its acceptance by the selected bidder shall constitute a legal binding between BEPC, GoB and the selected bidder till such time the contract agreement is signed.

f. The EMD of unsuccessful candidate will be returned within 15 days of selection of the Agency.

5. SCOPE OF WORK

The Scope of Work for the agency is not limited but would include the following:

I. The rates shall be on F.O.R at 4621 secondary/senior secondary across the Bihar, or any of the locations as per the requirement within Bihar. BEPC shall made available the details regarding all 4621 secondary/senior secondary/ 4621destination point with the School official name and contact number where selected agency shall supply, install and conduct training for the functioning of lab.

II. Timeline for the completion of project is 120 days in from the date of issue of Letter of Intent (LoI).

III. The rate contract will be initially for a period of one year and extendable for a further period of one more year under mutual agreement at the same terms and conditions subject to satisfactory performance of the agencies.

IV. Item wise Price along with total price per school shall be quoted in BOQ chart as indicated in the technical specifications.

V. Detailed specifications are followed in Annexure 1.

VI. Prices shall be firm until the completion of work or supply and no enhancements of rates will be done / is permitted because of any escalation during the period of rate contract.

VII. BEPC, GoB reserves the right to accept or reject any or part of offers without assigning any reasons.

VIII. The supply, installation & training for operationalization of integrated science & math lab should be done within 120 days from the date of issuance of LoI and incase of any delay in delivery, penalty will be charged as per rules. However, bidder will

arrange the inspection of materials as early as possible to get Delivery Certificate on satisfactory pre-delivery inspection report.

IX. The quantity of items can be increased or decreased as per our requirements.

X. The supply, installation & training for operationalization of integrated science & math lab shall be carried out strictly in accordance with the terms & conditions and specifications as stipulated in the tender, in the approved workman like manner and as per standard practice. Materials supplied shall be of high quality.

5.1 PROJECT DURATION AND RESOURCE DEPLOYEMNT

The project period will be **12 months** starting from the Actual Date of Work Started i.e. date of issue of Letter of Intent (LoI).

The agency shall deploy a **full-time resource** at the client's location for the entire contract's duration.

5.2 PAYMENT SCHEDULE AND PENALTY

Payment will be released after the satisfactory receipt of material, their installation and conduction of training for functioning of the lab. BEPC will provide the designated locations for supply, installation and conduct training through the concerned co-ordinator at BEPC.

If the selected bidder fails to perform services within the stipulated time schedule, the BEPC shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquated damages, a sum equivalent to 1.0 % per week of the undelivered items.

However, supply for at least 20% schools/lab (quantity) against purchase order will be completed and submission of bill along with delivery challan, for the same, the payment of 75% amount against that bill amount shall be released. The remaining 25% of the amount will be paid after the completion of installation commissioning and training.

Note:

1. Payment will be as per GFR.
2. All payment to the Agency will be made in Indian Rupees.
3. GST component shall be paid as applicable and as per actuals.
4. No advance payment will be made.
5. For facilitating Electronic Transfer of funds, the selected Agency will be required to indicate the name of the Bank & Branch, account no. (i.e. bank name, IFSC Code and Bank

A/c No.) and forward a cheque leaf duly cancelled, to verify the details furnished. These details should also be furnished on the body of every bill submitted for payments by the selected Agency.

6. **Dispute Resolution**

a) The bids and any contract resulting there from shall be governed by and construed according to the Indian Laws.

b) All settlement of disputes or differences whatsoever, arising between the parties out of or in connection to the construction, meaning and operation or effect of this Offer or in the discharge of any obligation arising under this Offer (whether during the course of execution of the order or after completion and whether before or after termination, abandonment or breach of the Agreement) shall be resolved amicably between Department and the vendor's representative.

c) In case of failure to resolve the disputes and differences amicably within 30 days of the receipt of notice by the other party, then the same shall be resolved as follows:

I. Conciliation: - All disputes or differences whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be first settled by way of conciliation and failing which, by way of arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the parties.

II. The dispute shall be first referred to the Development Commissioner for conciliation who shall conduct conciliation proceedings which will be held at Patna, Bihar.

III. Arbitration: - In case the conciliation proceedings fail, the dispute shall be referred to the arbitration as per the Arbitration Act.

IV. All legal disputes will come under the sole jurisdiction of Patna, Bihar. The venue of the arbitration shall be Patna.

d) The Arbitral award shall be final and binding on both the parties.

e) Work under the contract shall be continued by the vendor during the arbitration proceedings unless otherwise directed in writing by Department unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. Save as those which are otherwise explicitly provided in the contract, no payment due, or payable by Department, to the vendor shall be withheld on account of the ongoing arbitration.

7. Termination & Blacklisting

I. The Department may terminate this Agreement and Blacklist/Debar the vendor, in case of occurrence of any of the events specified below. In the event of such an occurrence, the First Party may give not less than 15 days written notice of termination to Second Party.

a) If the vendor is in material breach of its obligations pursuant to this Agreement and has not remedied the same within 15 days.

b) If the vendor becomes insolvent or goes into compulsory liquidation

c) If the vendor, in the judgement of Department, has engaged in corrupt or fraudulent practices in competing for or in executing the contract

d) If the vendor submits to the Department a false statement which has a material effect on the rights, obligations, or interests of the Department.

e) If the vendor places itself in a position of conflict of interest or fails to disclose promptly any conflict of interest to the Department.

f) If the vendor fails to provide Quality services as envisaged under this Agreement.

g) The serious discrepancy and delay in delivery of services or the performance levels agreed upon might have an impact on the functioning of the Department.

h) Failure of the vendor mobilize manpower, follow local laws, clumsy execution of work, and total disregard to public safety and its own employees.

i) Failure to abide by any lawful directions of the Department.

II. **Penalties:** - The Department may impose a suitable penalty on the vendor for the failure of such activities as mentioned above. Such penalties shall be deducted from the pending bills/bank guarantee of the vendor. However, the Department shall issue a notice given 15 days of time to the vendor before imposing such penalty

III. **Termination Payments:** - These payments shall mean the amount of payment by either party to the other party upon termination. Upon termination of the contract, Department may encash and appropriate the performance security/bank guarantee etc. The Department may clear outstanding dues of the sub-vendors of the second party out of such encashment and/or from the pending bills of the second party. After clearing such liabilities, any valid dues of the second party may be paid thereafter

IV. **Blacklisting without termination:** - The Department may blacklist the vendor without terminating the contract for any of the failures or acts of commissions or omissions under this Agreement.

V. **Foreclosure with Mutual consent: -**

a) Without prejudices to any provisions of this agreement, Department and the vendor may foreclose this agreement by mutual consent in circumstances which does not constitute either party's default without any liability or consequential future liability for either party.

b) Should a Party intend to foreclose this Agreement by mutual consent, the intending Party shall issue a notice to the other Party and upon issuance of such notice, the other Party may within

15 days from receipt of such notice either agree to such foreclosure or raise objection(s) to the same by intimating either of the two possible positions to the intending Party in writing.

c) In either case of the other Party agreeing to the proposed foreclosure or otherwise, the Parties may negotiate the proposed foreclosure and sign a Supplementary Agreement for foreclosure to the main Contract Agreement within 30 (thirty) days of the date agreeing by both Parties. Foreclosure shall not come into effect unless otherwise the Supplementary Agreement is signed.

d) Any attempt or endeavour for foreclosure by mutual agreement shall be without prejudice to the rights and obligations of the Parties herein and the factum of such an attempt or exercise shall not stop either of the Parties form discharging their contractual obligations under this Agreement.

e) For the avoidance of doubt, it is clarified that such foreclosure will be without prejudice to the Vendor and shall not affect the Vendor in any way if it wishes to bid on future projects of the Department.

VI. **Transition and Exit Plan:**

The vendor shall ensure that the transition is smooth in case the contract is terminated or foreclosed with mutual consent. In addition to the cancellation of contract, Department reserves the right to charge appropriate penalties and liquidated damages from the selected agency. Further: -

a) All risks during transition stage shall be properly documented to ensure smooth transition without any service disruption.

b) The transition plan along with the period shall be mutually agreed between vendor and Department when the situation occurs. Vendor shall be released from the project once successful transition is done meeting the parameters defined for the successful transition.

Note:- Blacklisting/Debarment of the vendor shall be natural consequence of the termination. The Blacklisting/Debarment shall be for such a period as may be specified by the Department.

Provided that before placing the vendor on the blacklist, with or without the termination of the contract, the Department shall issue a notice given 15 days of time to the vendor.

ANNEXURE 1:

Part 1: Technical Specifications – Integrated Science and Math Lab

There is a growing recognition need of Integrated solution for Math and Science for providing students with a hands-on learning experience. It has been recognized as fundamental to fostering scientific and mathematical inquiry and understanding.
The Integrated Science and Math Lab aims to create a comprehensive learning environment where students from classes 9th to 12th can explore scientific and mathematical concepts through demonstration, observation, and hands-on experimentation. This approach ensures that students build a solid foundation in individual subjects before integrating their knowledge to solve real-world problems.

Integrated Math and Science Lab should be provided to gain the following learning outcomes:

- to provide students with the opportunity to explore real-life scenarios through a variety of hands-on activities.
- Should cover hands-on experiments and projects that can increase student interest and motivation in both subjects.
- Learners should be able to gain a comprehensive understanding of how math and science are interconnected, fostering a more holistic view of both subjects.
- Students should be better prepared for advanced studies in STEM fields by developing a strong foundation in both math and science.
- Students should understand the relevance of math and science in everyday life and various careers, fostering a sense of purpose in their studies.

The Integrated Math and Science Lab should include the following components:

Modern Equipment for better and practical understanding of various concepts pertaining to Science and Maths as below:

List of Items per Lab

Sr. No.	Item Description
1	DIY Tools for Science along with user manual, video manuals, teacher training and posters
2	DIY Tools for Mathematics along with user manual, video manual, teacher training and posters
3	DIY Tools for STEM along with user manual, video manuals, teacher training and posters
4	Furniture & Storage

1. List of Science Equipment

S. No.	Product Name	Concepts to be covered	Qty	Technical Specifications
1	Cone Run Uphill	It illustrates how a double cone appears to roll uphill due to its centre of mass moving downward along V-shaped rails	1	The set includes a wooden cone of dia 3 inches, V shape wooden stand with dimensions 5x18 inch. The "Cone Runs Uphill" apparatus demonstrates the concept of the centre of mass. The conical shape of the double cone causes it to sink toward the wider end of the V-shaped rails, creating the illusion that it rolls uphill, even though its centre of mass is moving downward.
2	Newton's Cradle	Conservation of energy, conservation of momentum.	1	Newton's Cradle Apparatus consists of a wooden base measuring 6 x 6 x 1 inches, and a horizontal metal stand from which small balls with a diameter of 18 mm are suspended by strings, resembling a pendulum setup. This simple design is used to demonstrate the conservation of energy, momentum, and friction. When one ball is displaced and released, it collides with the others, transferring momentum and energy through the system. The device visually illustrates the principles of elastic collisions and energy dissipation due to friction.
3	Electric Bell	Electric Circuit, Electromagnet and magnetic effects of current	1	The Electromagnet and Magnetic Effects Apparatus consists of a wooden base measuring 12 x 5 cm, which supports a standing wooden block measuring 20 x 12 cm. This block holds a coil of wire and a magnet, forming an electric circuit to demonstrate electromagnetism and the magnetic effects of current. When current flows through the coil, it generates a magnetic field, turning the coil into an electromagnet. The setup allows for experimentation with magnetic field strength, the interaction between electric currents and magnets, and the visualization of concepts such as electromagnetic induction and the relationship between current and magnetic fields.
4	Cell Structure Model	It describes the unique features of a plant cell, highlighting its structural components	1	The apparatus consists of a wooden base measuring 35 x 30 x 3 cm, featuring a complex structure representing a plant cell. It includes various organelles and a defined nucleus. This model is designed to explain the concept of a plant cell.
5	Visual Illusion	Motion perception, optical illusion	1	This apparatus features a metallic base (5 x 5 x 13 inches) supporting two metallic rods, each connected by three rotating discs. These discs can be turned using a wooden handle. A second wooden handle is provided for manoeuvring the entire apparatus. The top of the apparatus includes a metallic card holder. It also comes with laminated square cards that display visual illusions when the discs rotate.
6	Fleming Left Hand Rule	Current, force and field	1	This Apparatus features a transformer-like setup with a vertical rod 6.5x5x7 inch. Fleming's Left-Hand Rule tells the direction of the force exerted on a current-carrying conductor in a magnetic field. By using the rule, you can determine how the force acts on the conductor: your forefinger indicates the direction of the magnetic field, your middle finger shows the direction of the current, and your thumb points in the direction of the force or motion experienced by the

				conductor. It allows students to explore electromagnetism, the Lorentz force, and the interaction between electric currents and magnetic fields, providing a practical demonstration of fundamental electromagnetic principles.
7	Fleming Right Hand Rule	Electromagnetism, specifically the relationship between the direction of current, the magnetic field, and the resulting force on a conductor.	1	This Apparatus features a transformer-like setup with a vertical rod 6.5x5x7. Fleming's right-hand rule describes the direction of force on a current-carrying conductor in a magnetic field: Point your thumb in the direction of the current, your index finger in the direction of the magnetic field, and your middle finger will show the direction of the resulting force.
8	Hydro Dynamics	Energy conversion	1	Hydrodynamics works by using the energy of moving or falling water to turn a turbine, which then drives a generator to produce electricity. This tool consists of a wooden base (8.5 x 6.5 inches), two wooden poles, a 250 mL plastic beaker, a metallic turbine, a pipe, and a voltage output monitoring device.
9	Genetic Blueprint Model	Structure of DNA, base pairing, genetic code	1	The model features a plastic base measuring 4 x 4 x 15 inches, with a metallic rod and a double helical structure. It illustrates the structure of the double helix and demonstrates how genetic information is encoded in sequences of nucleotides.
10	Human Ear	Shows how sound is captured and processed by the ear for hearing.	1	The model is made up of three different parts: the outer ear, the middle ear, and the inner ear. It features a wooden base measuring 6 x 9.5 x 5.5 inches. The human ear model demonstrates the anatomy of the ear and how it detects sound waves and converts them into electrical signals for the brain.
11	Electric Motor	Electromagnetic induction	1	The electric motor converts electrical energy into mechanical energy through electromagnetic principles. It consists of a copper wire, a metallic case, a plastic base (4.5 x 4.5 x 4 inches) and a fan
12	Human Heart	Chambers of heart, blood vessels, Valves	1	The model features a plastic base measuring 4 x 4 x 5 inches, with a metallic rod that supports a detailed structure of the heart. It illustrates the heart's internal anatomy, including its four chambers: the right atrium, right ventricle, left atrium, and left ventricle. The model also demonstrates how blood flows through these chambers and valves.
13	Law Of Inertia	Newton's first law. Inertia is opposing change in state of rest.	1	This tool consists of a plastic base (6 x4.5 x5 inches), bulb, cardboard piece, wire, and a glass slide. The Law of Inertia Apparatus is designed to demonstrate Newton's First Law of Motion. It includes a frictionless track with a cart or sled and a set of weights. The setup features a smooth surface to minimize resistance and an adjustable incline to modify the cart's initial velocity. When the cart is set in motion and then allowed to coast, its continued movement or lack thereof illustrates the concept of inertia—an object remains at rest or in uniform motion unless acted upon by an external force. The apparatus is equipped with a mechanism to observe and measure changes in motion and inertia.
14	Newton's 2nd Law	The force acting on an object is equal to the mass of the object multiplied by its	1	This tool consists of a metallic rod with a spring wound around it attached to the plastic base (9 x 3 inches) and a plastic slider to push the spring.

		acceleration (F = ma).		Newton's Second Law Apparatus is designed to demonstrate newton second law of motion which states that how the motion of an object is affected by forces. The law is often expressed with the equation: F = ma. Newton's Second Law states that the acceleration of an object is directly proportional to the net force acting on it and inversely proportional to its mass. With the help of this apparatus, we can simply learn concepts like mass, net force and acceleration.
15	Light Dispersion Model	Refraction of light, Dispersion	1	A polyhedron with two parallel, polygonal bases is known as a prism. Prisms are optical devices that use the phenomenon of refraction to bend light. They are particularly renowned for their ability to disperse white light into its constituent colours through a process called dispersion. When light enters a prism, it bends due to the difference in refractive indices between the prism material and air. This bending causes different wavelengths of light to spread out, creating a spectrum of colours.
16	Induced Current	The current generated in a conductor due to a changing magnetic field.	1	The apparatus features a plastic base (4 x 3 x 1 inches) with a coil of insulated copper wire wound on a cylinder with terminals, two LED bulbs, and magnets indicating the north and south poles. This apparatus demonstrates the concept of induced current in a conductor due to a changing magnetic field. Induced current occurs when a conductor is exposed to a varying magnetic field, as described by Faraday's Law of Induction. According to this law, the induced electromotive force (EMF) and current are proportional to the rate of change of magnetic flux. For example, moving a magnet near a coil of wire or changing the magnetic field around a loop induces a current in the wire. This principle is fundamental to many electrical devices, including transformers, generators, and inductors.
17	Demagnetizing and Magnetizing Coil	Coils are used to demagnetize or magnetize materials by generating magnetic fields.	1	The Demagnetizing and Magnetizing Coil apparatus features a solenoid wound with insulated copper wire and mounted on a base (11.5 x 6 x 0.5 inches). It includes a switch and a metallic rod. Magnetizing coils generate a magnetic field through an electric current, aligning the magnetic domains within ferromagnetic materials to magnetize them. These coils are essential in devices such as transformers, electric motors, and magnetic recording equipment. Conversely, demagnetizing coils use alternating current (AC) to reduce or eliminate the magnetism of materials.
18	Turning Fork Set	Sound waves, Resonance	1	Demonstrates how the vibration of the tuning fork creates sound waves and how physical vibrations can be felt or heard. It resonates at a specific constant pitch when set vibrating by striking it against a surface or with an object and emits a pure musical tone once the high overtones fade out. Set of eight U-shaped metallic forks of different sizes, made of steel, with frequencies of 128 Hz, 256 Hz,

				512 Hz, 1024 Hz, 2048 Hz, and 4096 Hz.
19	Ampere Law	Ampère's Law relates magnetic fields to electric currents.	1	It includes a heavy brass/steel wire, one large compass, and three small compasses. To demonstrate Ampere's Rule, arrange the compasses around the wire, connect the wire to a power supply, and turn it on. The electric current will cause the compass needles to change direction. Size: 7.5 x 5 x 6 inches
20	Play with colour shadow	Combinations of colour lights, additive mixture of colour. Primary colours.	1	The wooden box includes three laser lights, two wires, and a power supply board, measuring 6 x 6 x 3 inches. This apparatus demonstrates how objects can cast shadows with varying colours based on the light they block.
21	Reflection Physics Kit	Laws of reflection	1	"This Apparatus is designed to demonstrate the reflection of light in a plane mirror. The setup includes a plane mirror mounted on a stable base, an adjustable light source, and a protractor or angle measuring device. The mirror's surface is precisely aligned to ensure accurate reflections. The light source allows for controlled incidence angles, and the protractor measures the angle of incidence and reflection. This apparatus visually confirms that the angle of incidence equals the angle of reflection, adhering to the laws of reflection.
22	Fun with Magnets	Magnetic properties, including fields, attraction, and repulsion	1	The Fun with Magnets Kit is designed to provide students with hands-on experience exploring magnetic properties through engaging experiments. The kit must include essential components such as a magnet compass, horseshoe magnet, bar magnet, four circular magnets, and two iron filings capsules. Students can observe magnetic fields, attraction, and repulsion, and experiment with various shapes of magnets. All materials must be safe, durable, and reusable, with clearly labelled components for easy identification and suitable for classroom use.
23	Wave Dynamic Model	Transverse wave concepts	1	The Mechanical Wave Experiment Kit offers an engaging way for students to explore key scientific concepts related to transverse waves. It includes a durable frame with nylon strings and 9 plastic balls, each suspended in an increasing length pattern to simulate wave motion. The apparatus demonstrates energy transfer, particle vibration, amplitude, and wavelength in a hands-on format. Designed for students in grades 6 to 10, the kit includes high-quality materials such as a wooden base, plastic balls with steel hooks, and string lengths for varied wave properties. Must have safety features and be easy to set up for repeated use. Overall Dimensions: 375mm x 150mm x 620mm Includes: 9 Plastic Balls (248mm) with steel hooks 9 Nylon Strings (Lengths: 255mm - 185mm) Sturdy Wooden Base
24	Lazy Tube	Lenz's Law, Eddy currents	1	The Lazy Tube Kit demonstrates key physics concepts like Lenz's Law using a non-magnetic conductive tube. When a magnet is dropped through the tube, it creates magnetic forces that oppose the motion,

				visually showcasing Lenz's Law. Kit specification: Two tubes (150mm diameter, 255mm length) should hang on a plastic-type stand. Wooden base (165mm x 125mm x 285mm). Rectangle plate (135mm x 35mm x 8mm). Two cylindrical magnets (8mm diameter, 17mm length).
25	User Manual		1	Activity user manual to learn usage of tools and understand concepts. Each activity manual consists of a bar code which redirects to the relevant video manuals.
26	Video Manuals		1	Video tutorials to understand the usage of the tools
27	Posters		1	Posters on Science Topics Size - 2 x 3 ft, printed on banner media with 100 micron thickness and 80 micron matt lamination.
28	Drill Machine Set	Project Work	1	Item Dimension: 300mm x 200mm x 70mm , Material: Plastic, 400W motor, Reversible rotatable brush plate for optimum F/R operations Variable speed switch with variable speed dial wheel for optimum output needs Lock-on button for continuous drilling, ergonomic design for comfortable and fatigue free use
29	Allen Key Set	Project Work	1	10 Piece Ring Imperial Allen Hex key
30	Soldering Kit	Project Work	1	Variable Wattage of Soldering Iron: 15-30 watts/230 volts/Soldering Iron Temperature Range: 280°C to 450°C De-Soldering Pump, Soldering Flux (Paste) 100 grams, Copper Braid Co DE-soldering pp (Solder Wick) - 1.5m*2mm Compatible Soldering Tip - Bevel, Chisel, Conical - each per kit. Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams)
31	Safety Goggles	Project Work	02	Polycarbonate Safety goggles Clear lens with no tint
32	Hot Glue Gun	Project Work	1	Works with standard inch glue sticks. Temperature - 230 to 280 degree Celsius.
33	Paper Microscope	Illustration of Microscopic objects	2	DIY Paper microscope. Magnification range - 100x to 2000x
34	Digital P^H Meter	Measuring P^H Value	1	Accuracy +/- 0.01%, LCD Display, Measurement range 0.01-14, Calibration Three Point automation
35	Power Extension Board	Project Work	2	4 way power extension board
36	Laser Light	Light	4	Battery operated multipurpose laser light pointer pen beam
37	Banana Pin (Red & Blue)	Electricity	1 Packet	Type: Alligator Clip Material: Nickel-plated pin, metal clip with plastic insulation
38	Bread Board	Electricity	2	800 point breadboard; 15 X 6 cm in size. Comes with wires to perform activities
39	Hacksaw Blade with Frame	Project Work	1	Size: 12 inches
40	Steel Shaft Claw Hammer	Project Work	1	Claw Hammer Steel Shaft/Weight- 0.22kg

41	Plier	Project Work	1	Wire Stripper Cutter Plier
42	Screw Driver Set	Project Work	1	40 pc multi-purpose screwdriver set
43	Digital Multi Meter	Electricity	1	Packing Content: 1 x Digital Multimeter, 2 x Test Leads Line, Small and compact design Low battery voltage indication. Power: 9V battery (Included). Dimension: 142 x 69 x 30mm. Max AC Voltage Range: 600V. Max DC Voltage Range: 600V. Resistance Measurement: 200 Ohm-2000K Ohm ra 3 1/2 digits, 8 segment, 15mm high LCD Display. Max Display: 1999, Auto polarity display.
44	Tester	Electricity	2	Digital Voltage line tester to measure AC DC Voltage, troubleshooting. Size approx 20 cm, weight approx 50 gm
45	Spanner Set (Double Handed)	Project Work	1	12-piece combination Spanner Set Range - 4 mm to 30 mm
46	Inorganic and Organic Chemistry Molecular Models	Atomic Structure	1	This set consists of 37 connecting lugs & 75 balls of different colours & sizes packed in a moulded box.

2. List of Mathematical Equipment

S. No.	Product Name	Concepts to be covered	Qty	Technical Specifications
1.	Coordinate Grid Board	Cartesian Coordinate System	4	Coordinate grid board of 16 x 16 cm with transparent moveable axis. It also includes 30 to 40 pegs and 8 to 10 rubber bands.
2.	Angle Sticks	Angles, Triangles	4	Set of 50 sticks in 5 different sizes and colours, designed to be plugged in and out. The set also includes a protractor that can be attached to these sticks.
3.	9" Pegboard	Area, Perimeter of 2D Shapes	4	9" transparent square plastic pegboard with a 10x10 fix pegs array and 8-10 coloured rubber bands.
4.	Circular Pegboard	Circle	4	8" two-sided plastic pegboard. one side circular with 17 fix pegs, the other side square with 25 fix pegs. It includes 8-10 rubber bands.
5.	Geo-Fusion Set	Surface Area of 3D Shapes	4	Set of 6- three dimensional shapes • Cube • Cone • Cylinder • Triangular Prism Triangular Pyramid • Square Pyramid
6.	Volume Master Set	Volume of 3D Shapes	2	Set of 17 transparent three-dimensional shapes, each 5 cm in size, including 2 square prisms, 2 rectangular prisms, 1 pentagonal pism, 2 triangular prisms, 1 square pyramid, 1 triangular pyramid, 1 pentagonal pyramid, 2 cylinders, 1 cone, 1 sphere, 1 hemisphere, 1 hexagonal pyramid, and 1 hexagonal prism. Each shape has removable base and stopper for easy filling with dry or wet material.

7.	Linking Bricks	Algebraic Identities	4	Plastic linking Bricks set of 100 in 10 different colours. Each brick has an edge length of 2 cm and features external connecting holders and internal connecting holes.
8.	Graphical Wipe Board	Graphs	1	Set of 40 write-and-wipe A4 size double-sided graph, made from 300 GSM laminated card.
9.	XY Dry Erase Board	Cartesian Coordinate System	1	Set of 40 write and wipe A4 size double sided Cartesian axis, made from 300 GSM laminated card.
10.	Cylindrical Tunnel	Concept of Hollow Cylinder	4	One hollow cylinder with diameter 8 cm, one sided completely open and another side having inward circular strip of width 1cm. Another hollow cylinder of diameter 4cm open both side completely, having one side outward circular strip of 1cm. Both cylinder is of height 12cm and combines together to form cylindrical tunnel.
11.	Hollow Ball Kit	Concept of Hollow Sphere	4	Two transparent hollow hemisphere of diameter 10 cm, each having one connecting dome of radius 6cm with circular strip of width 2 cm.
12.	Probability Learning Set	Concepts of Probability	4	Set includes 52 deck of cards, 3 coins, 3 dice, and a calendar representing both leap and non-leap years, all on A5 size 300 GSM double-sided laminated card.
13.	Incline Navigator	Application of Trigonometry	4	A Navigator of length 25 cm that includes a handle, a compass, and a movable needle to indicate different angles.
14.	Cube-Sphere Volume Analysis	To determine the ratio of the volume of a cube to that of a sphere which will exactly fit inside the cube	4	The kit contains a transparent cube with a 9 cm edge, open at the top, and 2 connecting hemispheres with an 8 cm diameter, which can be placed inside the cube.
15.	Trigonometry Board	Trigonometric Ratios, Identities	4	The set includes a square trigonometry board with dimensions 20 x 20 cm, representing the circular system in trigonometry. It also comes with connectors, pins, a set of rubber bands, and plastic measuring strips.
16.	AP Kit	nth term of AP, Sum of n terms of an AP	4	Set of 50 magnetic rectangular foam tiles in two sizes: Type 1: 8.4 x 2.4 x 0.5 cm and Type 2: 5.8 x 2.4 x 0.5 cm, and 50 magnetic square foam tiles, each 2.4 x 2.4 x 0.5 cm.
17.	Conic Section Kit	Concepts on Conic Sections	4	The set consists of 4 models of Cones - Circle, Hyperbola, Eclipse and Parabola
18.	Set Theory Kit	Sets, Subsets, Superset	4	The set contains multiple activities models designed to help in understanding set theory.
19.	Relation Function Kit	Relations and Functions	4	Write and Wipe Laminated Sheet includes Venn diagram representing two sets.
20.	Geometric Progression Kit	Concepts of Geometric progression	4	The set contains multiple 2D shapes used to understand GP concepts.
21.	User Manual		1	Activity user manual to learn usage of tools and understand concepts. Each activity manual consists of a bar code which redirects to the relevant video manuals.
22.	Video Manuals		1	Video tutorials to understand the usage of the tools along with the credentials to access the tutorials.
23.	Posters		1	Posters on Math Topics Size - 2 x 3 ft, printed on banner media with 100 micron thickness and 80 micron matt lamination.

24.	Chess Board	Explain the concept of limit	1	Square shaped 300 GSM laminated chess board of size 12 x 12 inches.
25.	Teacher Geometry Box	Geometry- Understanding the concept of angles and solving Geometrical constructions	1	Set Contains Ruler, Compass, Protractor and 2 Set Squares of big size.
26.	Inclined Plane	Trigonometry & Friction - Understanding the concept of height and distances and several other concepts such as motion and friction	1	Incline plane kit includes wooden base connected with incline plane 550 x 60 mm along with pulley. Linear scale is fixed at inclined plane and angular scale 0-45° scale is fixed to the base. It also includes a metal roller 50 x 15 mm length, two wooden blocks and a scale pan with cord.
27.	Ruler Set (Flexible rules 30cm length)	Measurement - For Measurement and drawing	1	Flexible ruler of plastic- Set of 4 each of 30 cm length
28.	Algebra Tiles (Set of 35 Tiles)	Algebraic expression and equation - Used to model and solve algebraic expression and equation	1	Set contains 20 small square tiles, 10 rectangular tiles and 5 big square tiles.
29.	Fraction Tiles (Set of Fraction Tiles in various sizes	Concept of Fraction - Used to help students Understanding the concept of Fractions	1	9 Plastic Fraction Circles of diameter 80mm. One circle represents whole. Other circles are divided into half, thirds, quarter, fifths, sixths, eighths, tenths and twelfths parts of circles. Transparent casing is also provided in order to hold all 9 circles together.

3. List of STEM Equipment

S. No.	Product Name	Concepts to be covered	Qty	Technical Specifications
1.	Straw bot	The "Straw Bot" kit comes with 100+ pieces and an instruction manual for 25 activities. Experiment by implementing the linkages mechanism concept in Straw Bot to imitate the movement pattern of various creatures.	8	The kits are required to feature a robust physical framework constructed from MDF material and connecting parts for other components, providing the necessary structure like a Bat, Swimmer, Crawler, Skipper, Paralympic, etc. The Kit should include MDF sheets (240mm x 100mm x 3mm) cut into specific shapes (O, Y, L, X, T, I, T-Lock, 3 Leg, 1 Leg), bottom plates (80mm x 20mm x 3mm) cut into H shapes, motor arms (25mm x 20mm) in Z shapes, top plates (30mm x 25mm x 20mm) in U shapes, plastic straws (200mm length, 6mm diameter), 3 to 12 V DC, 150RPM two-side shaft BO motors with compatible wheels (70mm diameter, 6mm width, rubber grip). The kit should include all necessary accessories battery casings for two AA cells with switches, standard AA batteries, thin rubber bands (3 inches), DIY craft scissors, and 15cm plastic scales.
2.	Mechanical Construction Kit	This kit is used to teach students the concepts of mechanics like force, friction, gear etc along with the coding concepts by making Autonomous Robots.	8	The kits are required to feature a robust physical framework constructed from metal and mounting points for other components, providing the necessary structure like excavators, cranes, dumping trucks, rollers, forklifts, ball shooters, catapults, rovers, line follower robot, obstacle avoider robot, edge avoider robot, light follower. The kit's brain should include a programmable CPU utilizing AVR architecture, operating at a clock speed of 16 MHz and a voltage of 5V. It should offer a minimum of 14 digital I/O ports

				and 6 analog input ports, along with essential features such as USB connectivity, and a power jack. Additionally, the brain module should have four indicators led for mode selection, motor drive, program switch, on-off switch, motor connector, and sensor connector, allowing all functional components can be connected via JST connectors. The kits should feature DC Motors with dimensions minimum 4.5mm x 4mm x 2mm L-shape, plastic module blocks compatible with provided parts. It should have connected via the JST connector. The motors must operate within a voltage range of 3-12V, with a minimum speed of 150 RPM and the kit is the plastic wheel, featuring a minimum 75mm diameter and 9.5mm thickness compatible with a provided shaft, and rubber grip for the provided wheel. Kit must include different types of metal plates like the bar, L-shape, C-shape, shaft, nuts, and bolts. Power distribution board with RJ11 connectors, a Remote controller (with DPDT switch), and other accessories like screwdriver, hook, gear, and axle lock. It should have a rated input AC voltage of 100V-240V and output voltage of 12VDC-1A with a minimum 0.5 meter long 24 AWG cable and offer short circuit and overload protection. The kits should include all necessary hardware components such as contained nuts, bolts, spacers, and wires ensuring ease of construction and structural integrity.
3.	Little Science Bot	With the help of this kit's students can learn different kinds of STEM concepts like force, friction and energy conservation etc.	8	The kit should include a variety of MDF cutouts and components for creating battery-operated models. It contains MDF pieces for different models including cutouts measuring 140x104x3mm, 112x114x3mm, and 92x74x3mm. The kit also includes over 35 unique interlocking pieces such as T Pieces, Motor Arm Pieces, and Linker Pieces for creating rotating legs for a walking dog model. An MDF sheet should be cut into three sizes: 140x107x3mm, 82x72x3mm, and 172x136x3mm for a walking robot. It also needs over 35 unique interlocking pieces such as hands, legs, and the robot face. An MDF sheet needs to be cut into three sizes: 156x154x3mm and 136x152x3mm cutouts for a cart-pushing robot. The robot features over 30 unique interlocking pieces such as wheels, linkers, hands, legs, and a cart. An MDF sheet needs to be cut into three sizes: 188x114x3mm, 146x134x3mm, and 134x102x3mm for a flying dinosaur model. The model has over 35 unique interlocking pieces, including wings with living hinge mechanisms and wheels. An MDF sheet needs to be cut into three sizes: 142x164x3mm, 124x148x3mm, and 163x104x3mm for a walking dino, consisting of over 45 unique interlocking pieces including 16 Teeth Gears, 12 Teeth Gears, and 8 Teeth Gears. The kit should include all necessary accessories

				candle wax, thin rubber bands (minimum 3 inches), transparent cello tape (at least 15 meters), a plastic geared DC motor (60mm x 20mm x 20mm, 3 to 12 V DC, 150 RPM with dual shafts), a battery holder for two AA cells with a two-way slide switch and cover, standard AA batteries, and a DIY craft scissor.
4.	STEM Electronics	This kit will be used to teach electronic concepts. They will understand the working principle of Input and Output devices and the scientific concepts used behind it. LED control using the switch, Brightness control using the potentiometer, Smart Morning alarm, Anti-Theft System, Understanding of Logic gates	8	The kit Should have a power distribution module (onboard 3 inputs and 3 outputs in the form of a JST connector), at least 18 different types of input-output modules. The power distribution module must have a distributing signal and power to up to three other modules. It must have a minimum of three input ports and three output ports. The power distribution module's PCB board must have handle protection, with a minimum size of 59mm x 47mm, and be encased in color-coded rubber or plastic casings with openings for connections. The modular design of the power modules must ensure that all functional components can be connected via JST connectors. The kit should have different types of sensor modules that cover a wide range of sensing capabilities and must have a light sensor, IR sensor, switch, POT, and more. Additionally, the kit should have gate modules like AND, OR, and NOT gates. The PCB board must have handling protection, with a minimum size of 37mm x 27mm, and be encased in color-coded rubber or plastic casings with openings for connections. The sensor module should be designed to be modular, allowing it to be connected via JST connectors with a supporting microcontroller. The kit should have various output modules such as LED modules in different colours, a buzzer module, a motor module, a vibro motor module, and a laser module. The PCB board should have protection for handling, a minimum size of 37mm x 27mm, and be encased in color-coded rubber or plastic casings with openings for connections. The output module is designed to be modular, allowing it to be connected via JST connectors with a supporting microcontroller. It must have the essentials for powering and connecting various components. These should consist of a power bank, JST wires, and power cables for connecting the power board to other peripherals. The power distribution module must have a distributing signal and power to up to three other modules. It must have a minimum of three input ports and three output ports. The power distribution module's PCB board must have handle protection, with a minimum size of 59mm x 47mm, and be encased in color-coded rubber or plastic casings with openings for connections. The modular design of the power modules must ensure that all functional components can be connected via JST connectors.
5.	Arduino Science Kit	The Science Arduino Kit provides a comprehensive introduction to	2	The arduino science kit shall meet specification as outlined in original arduino science kit along with necessary accessories. It should include WiFi and original arduino microcontroller, sensors for light and temperature, and Grove connectors for easy

		electronics and coding, enabling students to build and program interactive projects. It helps explore concepts like automation, data collection, and environmental monitoring.		assembly. It supports Wi-Fi and Bluetooth connectivity, featuring digital and analog I/O pins. The kit includes a flat micro USB cable, Grove cables, crocodile clips, a magnet, Velcro strap, PCB encoder, and various fastening tools for conducting diverse physics experiments.
6.	User Manual		1	Activity user manual to learn usage of tools and understand concepts. Each activity manual consists of a bar code which redirects to the relevant video manuals.
7.	Video Manuals		1	Video tutorials to understand the usage of the tools along with the credentials to access the tutorials.
8.	Posters		1	Posters on STEM Topics Size - 2 x 3 ft, printed on banner media with 100 micron thickness and 80 micron matt lamination.

4. Furniture and Storage

S. No.	Product Name	Description	Quantity
1.	Wooden Table	size - 5 by 4 ft, made of 18 mm thick high quality prelaminated wood-based particle board with PVC Strip edge bending.	4
2.	Stool	Wooden top – made of 18 mm prelaminated MDF board. Size – 14" diameter Frame/ legs – made of 25 x 25 mm square CRC pipe, powder coated black color Shoes – PVC	30
3.	Storage Cabinet	Plastic Almirah with lock. H: 1750 mm W: 580 mm D: 350 mm 2 storage cabinet each for Science, Math and STEM equipment	6

Part 2: Technical Specifications – LMS and QR based Supply Chain Monitoring Software

Specifications of Learning Management Software

1. Admin/School Portal
    a. Configure/Manage Masters
    b. View Dashboard for Schools Analytics
2. Teacher Portal
    a. Create Assignments
    b. Assign Assignments to Students
    c. Assessment Creation
    d. Preview Assessment
    e. Online Course Material Upload
    f. Profile Management
    g. View Student Activity Reports
3. Student Portal
    a. Profile Management
    b. View Assignments

c. Access to online course materials
d. Attempt Assessment/Assignments
e. View Scorecard
f. View Subjects Content/Videos

4. School Management
    a. Teachers Management
        i. Teachers Import
        ii. Transfer
        iii. Teacher Subject Mapping
    b. Student Management
        i. Students Import
        ii. Subject Mapping
    c. Add Class/Section/Subjects to school.
    d. Add Chapters/Topics in Subject
5. Assessment/Assignments Creation
6. Questions Creation Subject/Chapter/Topic wise

Details:

Overview: This online platform is a web-based platform designed to facilitate the creation, delivery, and evaluation of online assignments, assessments for Schools institutions. The primary goal of the portal is to provide a user-friendly and efficient solution for sharing contents and conducting various types of assessments, such as quizzes, exams, and skill-based tests, online course material for the students.

The application should provide class wise mapping of the tutorial videos with the curriculum. It should be easy to access the videos and they should be completely mapped with the learning outcomes of each class.

Key Features and Functionality:

User Management:

a. **Admin Panel**:

Create an intuitive and feature-rich admin dashboard for managing user accounts, roles, and permissions.
Configure and manage master's to be used in the school.
Enable administrators to view and export user data, assessment results, and reports.

b. **Teacher Portal**:

Teachers can create and manage assessment content, assessment evaluation, view results, and generate reports.
Provide Teacher's with a user-friendly dashboard to manage assessments.
Allow teachers to create, edit, and delete assessment content, including various question types.
Enable the uploading of multimedia elements for questions and answers.
Implement options for randomizing questions and answer choices to minimize cheating.

c. **Student Portal**:

Students can access assessments, view their scores, and track their progress.
Enable students to create accounts or sign in securely.
Students can have access to online course material uploaded by the teachers.

Allow students to view available assessments.
Include progress tracking for students to monitor their performance.

1) Assessment Creation:
a. Question Bank: A repository to store and organize various types of questions (multiple-choice, short answer, essay, etc.).
b. Implement support for different assessment types (multiple-choice, true/false, short answer, essay, etc.).
c. Media Support: Allow the inclusion of multimedia elements (images, videos, audio) in questions.
d. Include options for setting time limits, pass marks, etc
e. Provide real-time previews of assessments before publishing.

2) Assessment Delivery:
a. Online Testing: Students can take assessments online, either in real-time or within a specified time frame.
3) Result Analysis and Reporting:
a. Instant Results: Students receive immediate feedback on completion of the assessment.
b. Detailed Reports: Teachers and administrators can access comprehensive reports with individual and group performance analysis.
c. Analytics: visual representations (charts, graphs) to present data trends and insights.

Specifications of QR based Supply Chain Monitoring Software

S. No.	Product Details
1	This scope of work is for design & development of an application for tracking and tracing the path of batches of shipment from the headquarters/State Level to the various districts and across the complete value chain up until the school level. The below mentioned points summarize the requirement: - 1. Each batch shipment will be assigned a unique QR Code/Bar Code 2. Each batch will have certain fields assigned to it like date of dispatch, source/origin point, destination point, transit route with all interim locations tagged onto the same. 3. Provision shall be made for all transit points (like district, block, school etc.) to update the information contained in the database (like "received", "dispatched", "cancelled", "delayed" etc.) by scanning the QR Code/Bar Code on the batch shipment. This updation shall be made upon receipt and dispatch of shipment respectively with an option to enter remarks (to input certain important information pertaining to the state of receipt, dispatch, delay etc.) 4. Provision shall be made to track the shipment by all concerned stakeholders like "Dept. HQRS", "District Level Officer", "Block Level Officer" and "School" to track the journey of the batch shipment through their respective logins in the mobile application. A graphical seek-bar on the UI can be provided pictorially depicting (representational) the complete route highlighting the areas covered/remaining towards the

	final destination. 5. Provision will be made for the administrator to manually update the status of the shipment in case any stakeholder in the value chain is unable to update the information due to technical glitches. 6. Provision for the administrator to define the different masters like "Shipment Status", "Shipment Size/Category", "locations" (for entering "Place of Origin" & "Place of Delivery"), mechanism for defining the transit route, estimated time of delivery etc. 7. Provision for the administrator to define roles in the system with access rights & privileges and assigning them to different users. 8. Provision for the administrator to define the various users or optionally, users can download the application from the Android play-store and register themselves using some authentication mechanism. 9. Provision for the administrator to view/download/print certain pre-defined reports like no. of shipments delivered in a particular time-period, no. of shipments pending to be delivered, no. of shipments which have overrun their estimated time of delivery etc. 10. Provision for sending different application-based alerts and notifications to all stakeholders upon triggering of key events like "package received", "package dispatched" etc.

ANNEXURE 2: LETTER OF SUBMISSION

(On the letterhead of the bidder)

To,
The State Project Director,
Bihar Education Project Council,
Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus,
Saidpur, Patna - 800 004.
e-mail : ssabihar@gmail.com

Sub: - Letter of Submission for Supply, Installation & Training for Operationalization of Integrated Science & Math Lab at 4621 Government Secondary/Senior Secondary Schools in Bihar.

Ref: - ------

Sir,

We have read and understood the Request for Proposal (RFP) in respect of the captioned Assignment provided to us by BEPC, Department of Education.

We hereby agree and undertake as under:

a. Notwithstanding any qualifications or conditions, whether implied or otherwise, contained in our Proposal we hereby represent and confirm that our Proposal is unqualified and unconditional in all respects.
b. This Proposal is valid till (120 days from the Proposal Due Date). RFP can be download from the website www.eproc2.bihar.gov.in after paying tender fee of Rs. 5000/- and processing fee of Rs. 590/-. The fees will have to be paid through online on the above-mentioned website. Proposal received without or with inadequate RFP document fees shall be rejected.
c. Bidder shall submit, along with their bids, EMD of Rs. XXXXXX crores (XXXXXXX crores only) in the form of Bank Guarantee issued by the Schedule Bank, in favor of the "State Project Director, Bihar Education Project Council (IFSC Code IOBA0002450).
d. That as on the date of submission of this tender, there is no blacklisting order that bars us from working with any Government Agency / Department on account of deficiency in service.

Name of the Bidder
Date: -

Signature of Authorized Signatory

ANNEXURE – 3: FORMAT FOR FINANCIAL PROPOSAL

(On the letter head of the bidder)

Date: -

To,
The State Project Director,
Bihar Education Project Council,
Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus,
Saidpur, Patna - 800 004.
e-mail : ssabihar@gmail.com

Sub: - RFP for Supply, Installation & Training for Operationalization of Integrated Science & Math Lab at 4621 Government Secondary/Senior Secondary Schools in Bihar.

Ref: - ------

Sir,

We are pleased to quote the price below. We have reviewed all the terms and conditions of the 'Request for Proposal' and confirm that we would abide by all the terms and conditions. We hereby declare that there shall be no deviations from the stated terms in the RFP.

We further declare that, any State Government, Central Government or any other Government or Quasi Government Agency has not barred us from participating in any Bid.

Our Financial Quote for supply, installation & training for operationalization of integrated science & math lab at 4621 government secondary/senior secondary schools is INR (in figures) XXXXXXXXXXX (INR in Rupees). This amount includes all charges and taxes but is **exclusive of GST** which shall be payable at prevailing rates.

We abide by the above offer/quote and terms condition of the RFP, if the BEPC, Bihar selects us as the Selected Bidder/Agency. If our offer is accepted and if we fail to perform in the manner as specified in the RFP Document, the amount of Bid Security, as aforesaid, shall stand absolutely forfeited to the BEPC, Bihar without prejudicing the rights of the BEPC, Bihar to proceed further in any manner it deems fit. Until a formal Agreement is prepared and executed between us, this bid, together with your LOI, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid that you may receive. We declare that the information stated above and enclosed is complete and absolutely correct and any error or omission therein, accidental or otherwise, as a result of which our bid is found to be nonresponsive, will be sufficient for the BEPC, Bihar to reject our bid and forfeit our bid security in full.

Name

Name of the Firm/Agency

Designation and Address

Mobile and Email

Sincerely,

Signature of the applicant/
Authorized Representative of Agency
with Seal/Stamp

ANNEXURE – 4 : Financial Bid Format

Supply, Installation & Training for operationalization of Integrated Science & Math Lab 4621 Government Secondary/Senior Secondary Schools in Bihar

S. No	Particulars	Rate per School/Lab	GST	Total Price Per School/Lab Including GST
		A	B	C = A+B
1	Cost of Integrated Science and Math Lab			
Total Price				

Note:

— GST shall be payable at prevailing rates.

— The above costs will be inclusive all.